

ABSTRACT

A MASS FLOW MEASURING DEVICE

An elevator for bulk material includes an elevator head that mounts a mass
5 flow measuring device. The mass flow measuring device includes an
anchoring plate, a resiliently deformable connection; a mounting plate and a
load cell series interconnected in a load transferring circuit. One end of the
load cell is secured to the anchoring plate; and the other end thereof is
secured to a fixing member protruding from the mounting plate.
10 Consequently the moment arm between the resiliently deformable connection
and the load cell is longer than in prior art devices. This in turn reduces the
effect of thermal expansion and contraction on the accuracy of the device.